

Anti-Collagen Type II/COL2A1 Antibody (Monoclonal, 35C07)

Catalog Number: M00517-2

About COL2A1

Collagen, type II, alpha 1, also known as COL2A1, is a human gene which is the major collagen synthesized by chondrocytes. COL2A1 is mapped to 12q13.11. This gene encodes the alpha-1 chain of type II collagen, a fibrillar collagen found in cartilage and the vitreous humor of the eye. Mutations in this gene are associated with achondrogenesis, chondrodysplasia, early onset familial osteoarthritis, SED congenita, Langer-Saldino achondrogenesis, Kniest dysplasia, Stickler syndrome type I, and spondyloepimetaphyseal dysplasia Strudwick type. In addition, defects in processing chondrocalcin, a calcium binding protein that is the C-propeptide of this collagen molecule, are also associated with chondrodysplasia.

Overview

Product Name	Anti-Collagen Type II/COL2A1 Antibody (Monoclonal, 35C07)
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Collagen Type II/COL2A1 Antibody (Monoclonal, 35C07) catalog # M00517-2. Tested in WB, IHC, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, WB
Clonality	Monoclonal 35C07
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P02458

Technical Details

Immunogen	Synthetic peptide within human Collagen II aa 503-598.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-200

Immunofluorescence, 1:50-200

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